

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - FOOD ALLERGY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
FOOD ALLERGY	Heart failure, no CRF	X						X			(X)											FDW (not high in -3)	FDW 0.13 g Na/MJ - no high n-3
	GI - maldigestion/malabsorption	X												X			X					FOD-HY, FOW-HY, FDD-HY, FDW	
	GI- EPI	X												X			X					FOD-HY, FOW-HY, FDD-HY, FDW	
	GI-IBD, Colitis, CE	X									X			X								FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM	X			X							X		X								FDD-HY, FOD-HY	
	Urolithiasis, struvite	X													X							FDD-HY, FOD-HY,	Not FOW-HY (pH > 6.4)
	Idiopathic cystitis	X									(X)										wet	FOW-HY, FDW	
	Osteoarthritis	X									X											FOD-HY, FOW-HY	
	Obesity	X									(X)	X	X									FOD-HY, FDD-HY	Feed restricted
	DM	X								X	(X)											FDW (not high in -3), FOD-HY, FDD-HY+ insulin	Treat DM with insulin
	Anorexia, cachexia	X									X			X								FOD-HY, FOW-HY	

x need for optimal nutritional support (x) nice for optimal nutritional support dietary characteristic met by diet dietary characteristic not completely met by (all) diet(s), but quite acceptable characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

\* Recommendation depends on offending allergen. For cases with identified offending allergen, other diets may be suited as well: see table with review of raw materials of SPECIFIC diets

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - ATOPY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
ATOPY	Kidney failure		X			X		X	X		X					X						FKD, FKW, FKW-P	
	Kidney failure, growth			X			X				(X)					X				X		FGW, FGD	
	Liver failure, encephalopathy		X					X	X		X											FKD, FKW, FKW-P	
	Liver failure, risk urate		X	X							X					X						FKD, FKW, FKW-P	
	Heart failure, concurrent CRF		X			X		X	X		X											FKD, FKW	
	Heart failure, no CRF							X	X		X											FKD, FKW, FGW, FGD or FDW (lower Na0)	
	GI - maldigestion/malabsorption										X			X			X					FOD-HY, FOW-HY	
	GI - EPI										X			X			X					FOD-HY, FOW-HY	
	GI - IBD, Colitis, CE	X									X			X								FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM				X						X	X		X								FOD-HY	
	Urolithiasis, ca-oxalate		X					X			X					X						FKD, FKW, FKW-P	
	Urolithiasis, urate		X								X					X						FKD, FKW, FKW-P	
	Urolithiasis, cystine		X					X			X					X						FKD, FKW, FKW-P	
	Urolithiasis, silica							X			X					X						FKD, FKW, FKW-P	
	Urolithiasis, struvite										X				X							FOD-HY, FOD	
	Idiopathic cystitis										X									wet		FOW-HY	
	Osteoarthritis										X											FJD, FJW, FOD, FOD-HY, FOW-HY,	
	Osteoarthritis, senior/CRF		X	X		X	X				X											FKD, FKW, FKW-P	Depending on kidney function and MCS, FOD-HY can be added to increase protein/P
	Obesity										X	X	X									FOD-HY, FOW-HY, FOD	Feed restricted
	DM									X	X											FED-DM, FEW-DM	
	Anorexia, cachexia										X			X								FOD-HY, FOW-HY, F/C-IN-W/L	

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - FOOD ALLERGY & ATOPY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
FOOD ALLERGY & ATOPY	GI - maldigestion/malabsorption	X									X			X			X					FOD-HY, FOW-HY	
	GI - EPI	X									X			X			X					FOD-HY, FOW-HY	
	G I- IBD, Colitis, CE	X									X			X								FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM	X			X						X	X		X								FOD-HY	
	Urolithiasis, struvite	X									X				X							FOD-HY,	Not FOW-HY (pH > 6.4)
	Idiopathic cystitis										X										wet	FOW-HY	
	Osteoarthritis	X									X											FOD-HY, FOW-HY	
	Obesity	X									X	X										FOD-HY, FOW-HY	Feed restricted
	DM	X								X	X											FOD-HY, FOW-HY	Treat DM with insulin
	Anorexia, cachexia	X									X			X								FOD-HY, FOW-HY	

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - KIDNEY FAILURE



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
KIDNEY FAILURE	Atopy		X			X		X	X		X					X						FKD, FKW, FKW-P	
	kidney failure, growth			X			X									X				X		FGD, FGW	
	liver failure, encephalopathy		X			X		X	X		X					X						FKD, FKW, FKW-P	
	liver failure, risk urate		X			X		X	X		(X)					X						FKD, FKW, FKW-P	
	Heart failure, concurrent CRF		X			X		X	X		X					X						FKD, FKW	
	GI - maldigestion/malabsorption		X			X		X	X		(X)			X		X	X					FKD, FKW, FKW-P	
	GI- EPI		X			X		X	X		(X)			X		X	X					FKD, FKW, FKW-P	
	Urolithiasis, ca-oxalate		X			X		X	X		(X)					X						FKD, FKW, FKW-P	
	Urolithiasis, urate		X			X		X	X		X					X						FKD, FKW, FKW-P	
	Urolithiasis, cystine		X			X		X	X		X					X						FKD, FKW, FKW-P	
	Urolithiasis, silica		X			X		X	X		X					X						FKD, FKW, FKW-P	
	Urolithiasis, struvite		X			X		X	X		X				X	X						FKD, FKW, FKW-P	Wet preferred: + acidifier
	Idiopathic cystitis		X			X		X	X		(X)					X					wet	FKW, FKW-P	
	Osteoarthritis		X			X		X	X		X					X						FKD, FKW, FKW-P	
	Obesity		X			X	X	X	X		X	X				X						FKD, FKW, FKW-P	Feed very moderate??
	DM		X			X		X	X	X	(X)					X						FGW, FKW, FKW-P, FKD	Wet diets very low in carbohydrate + insulin
	Anorexia, cachexia		X			X		X	X		X			X		X						FKD, FKW, FKW-P + Mirataz	

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - LIVER FAILURE



\*LIVER FAILURE, ENCEPHALOPATHY \*\*LIVER, ENCEPHALOPATHY OR CRF

CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
LIVER FAILURE GENERAL	Food allergy	X	X	X				X	X		(X)			X								FDW	
	Food allergy*	X	X					X	X		(X)											FDW	
	Atopy		X	X				X	X		X											FGW, FGD, FKD, FKW, FKW-P	preference depending on desired protein level
	Kidney failure		X			X		X			X					X						FKD, FKW, FKW-P, FGD, FGW	
	Kidney failure, growth			X			X		X		X					X					X	FGW, FGD	
	Heart failure, concurrent CRF		X			X		X	X		X					X						FKD, FKW	
	Heart failure, no concurrent CRF			X				X	X		X											FGW, FGD, FDW	
	GI - maldigestion/malabsorption/EPI		X	X				X	X		(X)			X								FDW, FKD, FOD-HY, FGD, FGW	choice depending on required protein level
	GI - maldigestion/malabsorption**		X			(X)		X	X		(X)			X								FKD, FKW	
	GI-IBD, Colitis, CE	X	X	X				X	X		X			X								FDW (not high in n-3)	
	Pancreatitis, tolerate fat 10-15% DM			X	X			X	X			X										FDD-HY, FOD-HY	
	Pancreatitis, requiring fat < 10% DM			X	X			X	X				X									FRD	suitability depends on protein requirement
	Pancreatitis with hyperlipidemia			X	X				X				X										
	Hyperlipidemia		X	X				X	X		X	X	X										
	Urolithiasis, ca-oxalate		X					X	X		(X)					X						FKD, FKW, FKW-P	
	Urolithiasis, urate		X					X	X							X						FKD, FKW, FKW-P	
	Urolithiasis, cystine		X					X	X							X						FKD, FKW, FKW-P	
	Urolithiasis, silica							X	X							X						FKD, FKW, FKW-P	
	Urolithiasis, struvite		X			X		X	X						X							FKD, FKW, FKW-P, FGW, FGD	wet preferred, add acidifier
	Idiopathic cystitis		X	X				X	X		(X)										wet	FKW, FKW-P, FGW	
	Osteoarthritis		X	X				X	X		X											FKD, FKW, or FGW (higher protein)	
	Obesity		X	X				X	X		(X)	X										FKD, FKW, or FGW (higher protein)	Feed very moderate??
	DM		X	X				X	X	X	(X)											FKD, FKW, or FGW (higher protein)	Wet diets very low in carbohydrate + INSULIN
	Anorexia, cachexia		X	X				X	X		X			X								FKD, FKW, FKW-P, FGD, FGW + Mirataz	
	Growth			X					X												X	FGW, FGD	

x need for optimal nutritional support (x) nice for optimal nutritional support x dietary characteristic met by diet x dietary characteristic not completely met by (all) diet(s), but quite acceptable x characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - HEART FAILURE WITHOUT CRF



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
HEART FAILURE WITHOUT CRF	Food allergy	X						X	X		X											FDW	(FDW not high in n-3)
	Atopy							X	X		X											FGW, FGD	
	Liver failure, encephalopathy		X					X	X		X											FKD, FKW	
	Liver failure general			X				X	X		X											FGW, FGD, FDW, FKD, FKW	depending on aimed protein level
	GI - maldigestion/malabsorption/EPI							X	X		X			X								FDW, FGD, FGW, FKD, FKW	
	GI-IBD, Colitis, CE	X						X	X		X			X								FDW	
	Pancreatitis, tolerate fat 10-15% DM			X	X			X	X		X	X	X									FCD-L	
	Urolithiasis, ca-oxalate		X	X				X	X		X						X					FKD, FKW	
	Urolithiasis, urate		X					X	X		X						X					FKD, FKW	
	Urolithiasis, cystine		X					X	X		X						X					FKD, FKW	
	Urolithiasis, silica							X	X		X						X					FKD, FKW	
	Urolithiasis, struvite					X		X	X		X				X							FKD, FKW, FGW, FGD	wet preferred, add acidifier
	Idiopathic cystitis							X	X		X										wet	FGW, FKW	
	Osteoarthritis							X	X		X											FKD, FKW, or FGW (higher protein)	if higher protein required: mix with FJD/FJW
	Obesity							X	X		X	X										FKD, FKW, or FGW (higher protein)	Feed very moderate??
	DM							X	X	X	X											FKW/FGW (higher protein)	treat with INSULIN
	Anorexia, cachexia							X	X		X			X								FKD, FKW, + Mirataz	or just palatable diet: AVCIM: prioritise energy intake above Na restriction
	Growth							X	X		X										X	FGW, FGD	

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - HEART FAILURE WITH CRF



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
HEART FAILURE WITH CRF	Atopy		X			X		X	X		X					X						FKD, FKW	
	Kidney failure, growth			X			X				X					X				X		FGD, FGW	At end of growth: switch to FKD, FKW, FKW-HY (For very young kittens some FOW-HY may be added).
	Liver failure, encephalopathy		X			X		X	X		X											FKD, FKW	
	Liver failure, risk urate		X			X					X					X						FKD, FKW	
	GI - maldigestion/malabsorption		X			X		X	X		X			X			X					FKD, FKW	
	GI - EPI		X			X		X	X		X			X			X					FKD, FKW	
	Urolithiasis, ca-oxalate		X			X		X	X		X					X						FKD, FKW	
	Urolithiasis, urate		X			X		X	X		X					X						FKD, FKW	
	Urolithiasis, cystine		X			X		X	X		X					X						FKD, FKW	
	Urolithiasis, silica		X			X		X	X		X					X						FKD, FKW	
	Urolithiasis, struvite		X			X		X	X		X				X							FKD, FKW	wet preferred: if needed + acidifier
	Idiopathic cystitis		X			X		X	X		X										wet	FKW	
	Osteoarthritis		X			X		X	X		X											FKD, FKW	
	Obesity		X			X	X	X	X		X	X										FKD, FKW	Feed very moderate??
	DM		X			X		X	X	X	(X)											FKD, FKW+ INSULIN	treat with INSULIN (wet diet preferred)
	Anorexia, cachexia		X			X		X	X		X			X								FKD, FKW + Mirataz	
	Growth			X			X	X	X		X									X		FGW, FGD	

## SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - JOINT



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
JOINT	Food allergy	X									X											FOD-HY, FOW-HY	
	Kidney failure		X			X		X			X											FKD, FKW, FKW-P	
	Liver failure		X	X				X	X		X											FKD, FKW, FKW-P, FGW	
	Heart failure							X	X		X											FGW, FKD, FKW	
	GI - maldigestion/malabsorption/EPI										X			X								FOD-HY, FOW-HY	
	GI-IBD, Colitis, CE	X									X			X								FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM			X	X						X	X										FOD-HY	
	Obesity / WR										X		X									FJD/W (<15% overweight), FRD (> 15% Overweight for initial weight loss)	
	Diabetes									X	X											FED-DM, FEW-DM	
	Urolithiasis, struvite						X				X				X							FJD, FJW	
	Urolithiasis, ca-oxalate		X					X	X		X					X						FKD, FKW	
	Urolithiasis, urate		X								X					X						FKD, FKW	
	Urolithiasis, cystine		X					X	X		X					X						FKD, FKW	
	Idiopathic cystitis										X										wet	FJW	



# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - DIABETES



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
DIABETES	Food allergy	X								X	(X)											FDW, FOD-HY, FDD-HY, FOW-HY + INSULIN	treat DM with insulin
	Atopy									X	X											FED-DM, FEW-DM	
	Food allergy & atopy	X								X	X											FOD-HY, FOW-HY + INSULIN	treat DM with insulin
	Kidney		X			X		X		X	(X)					X						FGW, FKW, FKW-P, FKD, (+ INSULIN)	Wet diets very low in carbohydrate + INSULIN
	Liver general		X	X				X	X	X	(X)											FKD, FKW, FKW-P, or FGW (higher protein) + INSULIN	treat with INSULIN (wet diets FKW, FKW-P, FGW lower in carbohydrate)
	Liver encephalopathy		X					X		X	(x)											FKD, FKW, FKW-P, (+ INSULIN)	
	Liver cholestasis			X	X					X			X	X				X				FRD, FRW	not moderate in protein!
	Heart without CRF							X	X	X	X											FGW, FKW, FKD (+insulin)	Wet diets very low in carbohydrate + INSULIN
	Heart+ CRF		X			X		X		X	(x)												
	GI - maldigestion/malabsorption/EPI									X				X								F/C-IN-W/L, F-BIO-W, FXW, FPW	
	GI-IBD, Colitis, CE	X								X	X			X								FOD-HY + INSULIN	
	GI-IBD, Colitis, CE , low fat	X								X	X	X	X	X								FOD-HY + INSULIN	
	GI - PLE	X								X	X	X	X	X								FOD-HY + INSULIN	
	GI - Lymphangiectasia	X								X	X	X	X	X								FOD-HY + INSULIN	
	Pancreatitis, tolerate fat 10-15% DM									X		X		X								FED-DM	
	Pancreatitis, requiring fat < 10% DM												X					X				FRD, FRW	not low carb, but high fibre
	Pancreatitis with hyperlipidemia												X					X				FRD, FRW	
	Hyperlipidemia												X					X				FRD, FRW	
	Urolithiasis, ca-oxalate		X					X	X	X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, urate		X							X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, cystine		X					X	X	X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, silica							X	X	X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, struvite									X	X				X							FCW-P, FEW-DM	
															X			X				FRD	
	Idiopathic cystitis									X	X										wet	FEW-DM, FXW, FXW-P, F-BIO-W	
	Osteoarthritis									X	X											FED-DM, FEW-DM	
	Obesity												X					X				FRD, FRW	
	Anorexia, recovery, cachexia									X	X			X								F/C-IN-W/L	

x need for optimal nutritional support (x) nice for optimal nutritional support X dietary characteristic met by diet X dietary characteristic not completely met by (all) diet(s), but quite acceptable X characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

# SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - GROWTH



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
GROWTH	Food Allergy	X																		X		FDD-HY, FOD-HY, FOW-HY	
	Atopy										X									X		FOD-HY, FOW-HY	
	Combined allergy (food & atopy)	X									X									X		FOD-HY, FOW-HY	
	Kidney Failure			X	X		X				(X)					X				X		FGD, FGW	Depending on age and renal function FPW/FXW or F/C-IN-W/L may be required to add to meet nutrient requirements
	Liver failure, shunt/encephalopathy			X	X				X											X		FGD, FGW	
	Liver failure, risk urate			X	X											X				X		FGW, FGD	
	Heart failure, concurrent CRF			X	X		X		X		X									X		FGW, FGD	
	Heart failure, no CRF								X		X									X		FGW, FGD	
	GI - maldigestion/malabsorption													X			X		(X)	X		FID, FIW, FOD-HY, FOW-HY, FDD-HY	
	GI - EPI													X			X		(X)	X		FID, FIW, FOD-HY, FOW-HY, FDD-HY	+ digestive enzymes
	GI - IBD, Colitis, CE	X									X			X					(X)	X		FOD-HY, FOW-HY	
	GI - IBD, Colitis, CE low fat	X									X	X	X	X					(X)	X		FOD-HY, FOW-HY	Depending on required fat reduction may need to be added
	GI - PLE	X									X	X	X	X					(X)	X		FOD-HY, FOW-HY	
	GI - Lymphangiectasia										X	X	X	X					(X)	X		FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM				X						(X)	X		X						X		FDD-HY, FOD-HY, FND	
	Pancreatitis, requiring fat < 10% DM				X						(X)		X	(X)						X		FRD	
	Pancreatitis with hyperlipidemia				X						(X)	X	X	X						X		FRD, FND, FOD-HY, FDD-HY	FOD-HY high in n-3
	Hyperlipidemia										(X)		X							X		FRD	
											(X)	X								X		FND, FOD-HY, FDD-HY, FRW	FOD-HY high in n-3
	Urolithiasis, ca-oxalate			X				X								X				X		FGW, FGD -check pH	Add K-citrate if needed, switch to FKW/FKD when adult
	Urolithiasis, urate			X												X				X		FGW, FGD -check pH	
	Urolithiasis, cystine			X				X								X				X		FGW, FGD -check pH	
	Urolithiasis, silica							X								X				X		FGW, FGD -check pH	

## SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - GROWTH (CONTINUED)



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
GROWTH	Struvite urolithiasis, young kittens < 6 mo														X					X		FND (check UTI)	In case of UTI: antibiotics and diet only short term
	Struvite urolithiasis, kittens > 50% 6 mo														X					X		FCD, FCW, FCW-P	
	Idiopathic cystitis										(X)									X	wet	FPW, FOW-HY, FIW	
	Osteoarthritis										X									X		FOD-HY, FOW-HY	
	Obesity										X		X							X		FRD, FRW	
	DM									X	X									X		F-BIO-W; FED/W-DM + CaP; or FRD/FRW	CaP from Gistocal
	Anorexia, cachexia										X			X						X		FPW, F/C-IN-W/L, FOD-HY, FOW-HY	

## SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - MIXED UROLITHS



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
MIXED UROLITHS	Struvite / Calcium oxalate		X					X	X							X						FKD, FKW, FKW-P	<p>Monitor for recurrent UTISG &lt; 1.030 (give wet or add water to dry)</p> <p>Check pH - if too low: give potassium citrate (Starting dose 2 times per day 50-75 mg/kg.</p>
	Struvite / Urate		X													X						FKD, FKW, FKW-P	
	Struvite / Calcium phosphate					X		X	X							X						FKD, FKW, FKW-P	
	Struvite / Ca-ox / Ca phosphate		X			X		X	X							X						FKD, FKW, FKW-P	
	Ca-ox / Ca-phosphate		X			X		X	X							X						FKD, FKW, FKW-P	
	Struvite / Urate / Calcium phosphate		X				X									X						FKD, FKW, FKW-P	
	Struvite / Silica								X							X						FKD, FKW, FKW-P	

REDUCTION OF RECURRENCE - Mixed stones cannot be dissolved; often an initial stone causes a UTI that causes struvite precipitation. Reduction of recurrence is targeted at the initial stone