	Name: Address:	
	Tel:	
Date:		
Vet's name: Address:		
MDR-1 and Collies		
You are probably aware that the Rough and Smooth Collie are one of a number of breeds that may be affected by the mutant MDR-1 gene. It is now widely accepted that the collie breeds (Rough Collies, Smooth Collies, Shelties and Border Collies) appear to be hypersensitive to certain drug compounds that even in minute doses can cause severe, sometimes lethal, toxicity.		
I have had, unaffected/affected/a carrier (delete as	tested and he/she is known to be appropriate)	
I would be grateful if you could attach information as it indicates that there are problems.	•	
Yours sincerely		

Class A	DO NOT USE in dogs with MDR1 defect (-/-) Affected dogs carry two mutant MDR1 genes and can therefore only pass on a mutant gene to their offspring. Affected dogs will experience drug toxicity following normal doses of certain drugs, listed here	Anti-Parasitic Drugs Ivermectine substances: Diapec®, Ecomectin®, Equimax®,Eqvalan®, Ivomec®, Noromectin®, Paramectin®, Qualimec®, Sumex® & Virbamec® Doramectine substances: Dectomax® Moxidectine substances: Cydectin® & Equest® (EU scientists commonly find residues of the above drugs in animal products - milk, cows, sheep, pigs & salmon).
		Loperamide substances: Immodium® [antidiarrhoeal] Metronidazole substances: Flagyl
Class B	Interactions have been shown. Use only under close supervision of your vet	Cytostatics: (Cancer treatment) Vinblastine, Doxorubicine, Paclitaxel, Docetaxel, Methotrexat & Vincristine Glucocorticoids (Steroids commonly used to treat auto-immune diseases): Dexamethason Immuno-suppressives: Cyclosporine A Heart glycosides: Digoxine & Methyldigoxine Antiarrhythmics: Verapamil, Diltiazem & Chinidine [Heart problems] Pain control: Morphine & Butorphenol Anti-emetics: Metoclopramide, Ondansetron & Domperidon [sickness/vomiting] Antibiotics: Sparfloxacin, Grepafloxacin; Erythromycin Antihistamines: Ebastin Tranquillisers & pre-anaesthetic agents: Acepromazine

Other drugs; Etoposide; Mitoxantrone; Ondansetron; Paclitaxel;Rifampicin.			Analgesic & pre-anaesthetic agent: Butorphanol
			Other drugs; Etoposide; Mitoxantrone; Ondansetron; Paclitaxel;Rifampicin.
be used safely, but only in the	Class C	Can be used	Stronghold®, Advocate® & Milbemax® can be used safely, but only in the recommended application form and dosage.

^{*}In dogs with an MDR1 mutant gene [-], Acepromazine and Butorphanol tend to cause deeper and more prolonged sedation. Vets are recommended to reduce the dosage by 25% in MDR1 carriers [+/-] and by 30 -50% in MDR1 affected dogs [-/-]

Last updated – August 2010 (Smooth Collie Club of Great Britain)