

## Comparison between different enzymatic cleaners Overview of the enzymatic activity

	Instru Zym	3-E-Zym	Endo Zym	Cidex	Aniozym	Enzy Clean	Biotex	Medizym
PH-value	6,8	6,8	7,1	6,2	6,9	8,4	8,9	8,4
Dry remnant 130 °C	45,7	12,5	5,7	3,25	12,1	8	18,9	9,8
Proteases	100%	30%	55%	75%	60%	60%	5%	ca. 25 %
Amylases	100%	60%	0%	0%	60%	0%	0%	ca. 35 %
Cationic surfactants	yes	no	no	no	yes	no	no	no *

\* = anionic surfactants

**General remarks:** All the preparations have been tested and compared under the same conditions. The tests have been carried out by using the customary in trade tablets PROTAZYME OL and AMYLOZYME. The amylase activity has been tested additionally through the tinting velocity of an iodine/ starch solution.

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### Explanation to the values:

**PH-value:** should be around 7; a neutral PH-value is good for the material caring properties of the cleaner, especially when in contact with endoscopes.

**Dry remnant 130 °:** the higher, the better; this means; the less water you find in the enzymatic concentrate, the more stable are the enzymes.

**Proteases:** the proteases contents of Instru Zym has been taken as 100 %; the better the proteases activity, the better the efficiency of the product.

**Amylases:** the amylases contents of Instru Zym has been taken as 100 %; the better the amylases activity, the better the efficiency of the product.

**Cationic surfactants:** “yes” means bactericidal, “no” means not bactericidal; cationic surfactants are quaternary ammonium compounds and therefore they have an anti-microbial effect.