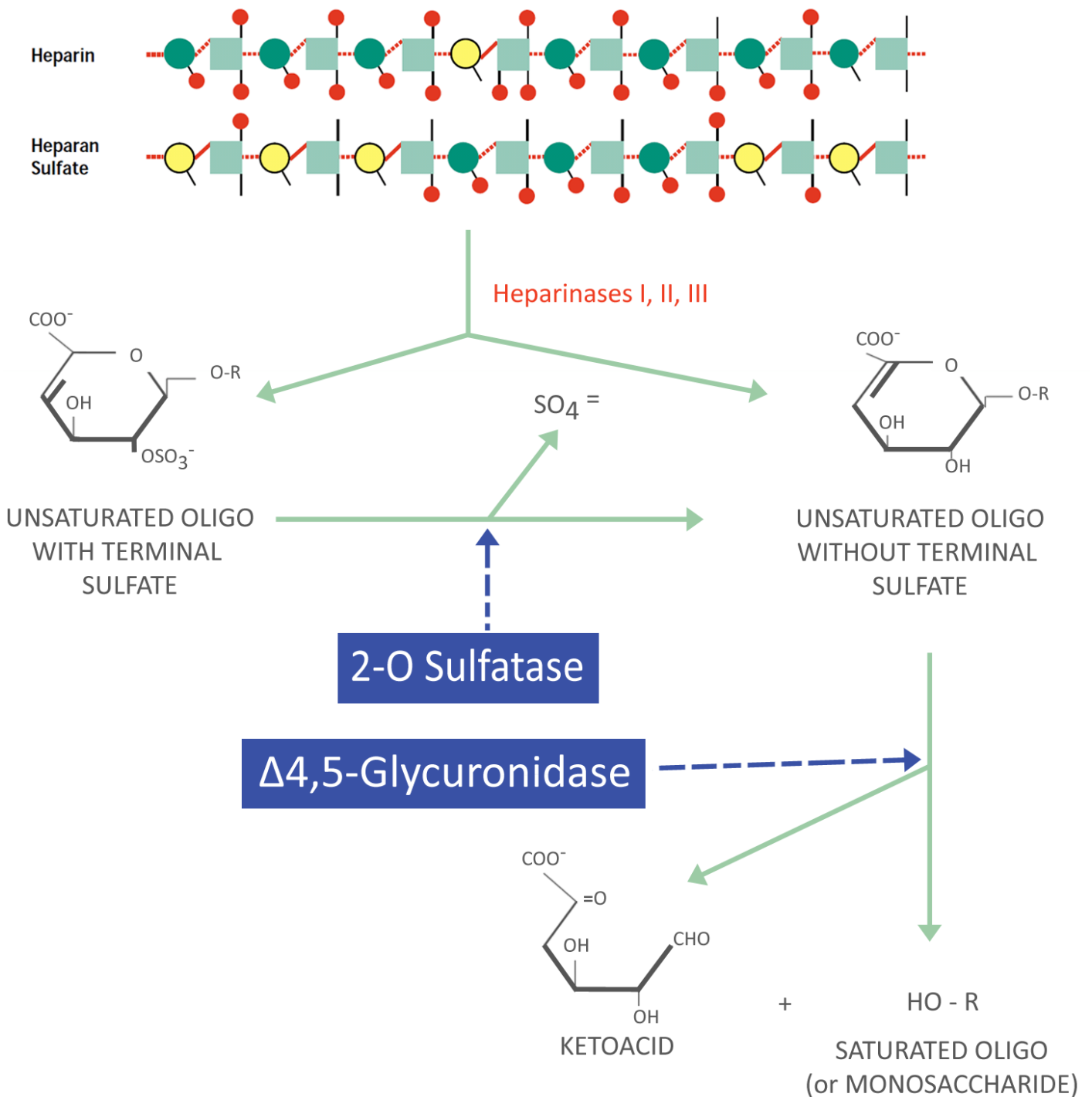


# NEW ENZYMES FOR HEPARIN ANALYSIS



# NEW ENZYMES FOR HEPARIN ANALYSIS:

## 2-O-Sulfatase and $\Delta$ -4,5-glycuronidase

Of interest to: labs who are experienced using Heparinases I - III:

### APPLICATION:

*Identify oligo- and disaccharides with a particular non-reducing terminal.*

The two enzymes work strictly in sequence (see pathway overleaf):

#### ▪ 2-O-Sulfatase

Used on its own, all oligos terminated with a 2-O-sulfated unsaturated uronic acid will be de-2-O-sulfated. This will result in only those oligos being removed from an HPLC or CZE profile.

#### ▪ $\Delta$ -4,5-glycuronidase

Used on its own, only those termini which do not bear a 2-O-sulfate are susceptible. This will result in only those oligos being removed from an HPLC or CZE profile.

When the two enzymes are used in concert, *all* terminal unsaturated moieties are removed, generating odd-numbered, saturated saccharides.

Description	Code	Pack Size
2-O-Sulfatase for 2-O-sulfated $\Delta$ -4,5-glycuronides	AMS.2OS-ENZ-S	0.25 IU
	AMS.2OS-ENZ	0.5 IU
$\Delta$ -4,5-glycuronidase	AMS.D45-ENZ-S	0.25 IU
	AMS.D45-ENZ	0.5 IU

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