

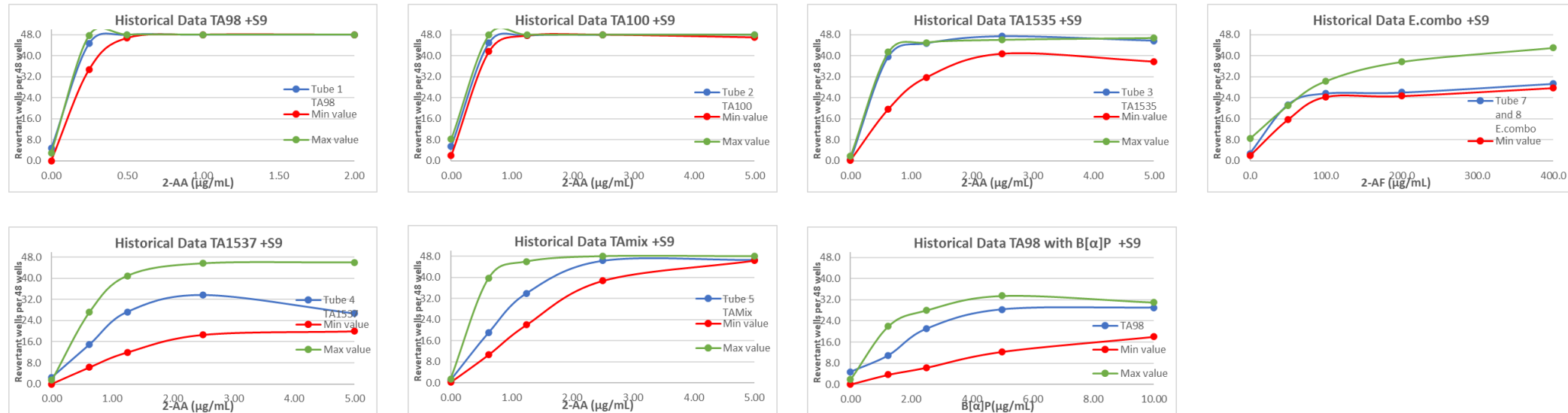
Rat Liver S9 | CYP activities

Lots FE2862, FE2863

PB/β-Naphtoflavone induced Rat Liver S9				
Alkylresorufin – O Dealkylase Activity	Cytochrome P450	Xenometrix rat liver S9 Fold Induction	Xenometrix S9 Conversion Rate pMol·mg ⁻¹ ·min ⁻¹	Other Supplier S9 Conversion Rate pMol·mg ⁻¹ ·min ⁻¹
MROD	1A2	13.56	443.62	23.30
EROD	1A1, 1A2	28.38	694.96	50.90
BROD	3A, 2B	58.57	728.56	47.10
PROD	2B1, 2B2	3.74	104.17	18.40

Key message: CYP activities in Xenometrix S9 are **multi-fold higher** than in S9 of other Suppliers

PB/NF induced Rat Liver S9 Ames MPF Lots FE2862, FE2863



Good lot to lot reproducibility of S9 : All strains are within Historical Control Limits (green and red curve)

Benefits of Xenometrix Rat Liver S9

- High CYP activities in Xenometrix S9 as compared to PB/NF induced rat liver S9 of other suppliers
- Shelf life of 36 months
- Small lot to lot variability
- Lyophilized preparation, insensitive to temperature variations during shipment
- Can be delivered within 1-2 days from Xenometrix stock
- Can undergo 1 x freeze thaw cycle after reconstitution without significant loss of activity
- Quality control is performed in 3 different Ames Test : Ames test in Petri Dish (OECD TG471), Ames test in 6 well agar plates, Ames test in liquid microplate fluctuation assay

Further information under : info@xenometrix.ch