PreM Ecosystem





Genomics Medicine IT Ecosystem

By National Biobank of Thailand







IT ecosystem supporting Genomic Medicine services

❖ Enrollment : Volunteer recruitment, Pseudonymization, e-consent & eCRF

Phenotips: Clinical database system

SMS: Specimen Management System

❖ Data analysis: Accelerated WGS processing (Variant calling, annotation with custom Thai dB and ACMG classification

❖ V@PP: Variant Annotation and Prioritization Platform

IT System NBT service NBT storage Customer's storage

Enrollment-Phenotips-SMS platform

Enrollment	Clone & re-deploy Combine Enrollment, eConsent, eCRF	Customize eCRF	Customize eCRF, Deployment, MA, consult
	50 THB / Sample	500,000° THB	1,000,000° THB
SMS	Clone & re-deploy	Customer's requirement	Customer's requirement, Deployment, MA, consult
	50 THB / Sample	500,000° THB	1,000,000° THB
Phenotypes	Clone & re-deploy	Customer's requirement	Customer's requirement, Deployment, MA, consult
	100 THB / Sample	500,000° THB	1,000,000° THB
Data transfer	1.00 THB / Gigabyte		2.00 THB / Gigabyte ^b

Whole genome data analysis (~ 100 GB / 30-40x)

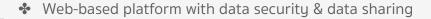
Variant Calling to ACMG classification	6,500 THB / Sample		
Phenotype & Genotype Processing (Rare & Cancer)	On top of Variant Calling to ACMG classification (1,500 THB / Sample)		
Pharmacogenomics	On top of Variant Calling to ACMG classification (3,000 THB / Sample)		
V@PP & NBT data storage	Clone & re-deploy	Not availble	
	See annual subscription plan		

^a One-time charge

^b will be charged for both upload and download data transfer to and from NBT MA: Maintenance Service Agreement for one year



By National Biobank of Thailand





- Supporting Tele-consultant and collaboration
- BAM online visualization
- Variant prioritization with Thais data
- Online report system with customizable
- ISO 27001:2013

Choose the best plan for you business

STANDARD	BRONZE	
12,000 THB	75,000 THE	
Storage (after 30 days)	Storage (after 30 days	
Online account	Online account	
1 account	2 account	
Online support	Online support	
Onsite support	Onsite support	
-	-	

SILVER
120,000 THB
Storage (after 30 days)
5 TB
Online account
5 account
Online support
Yes
Onsite support
-

PLATINUM
Contact Sale
Storage (after 30 days)
Unlimited
Online account
Unlimited
Online support
Yes
Onsite support
Yes

* 1 WGS ~ 150 GB, 1 WES ~ 15 GB



Standard package data were preserved for one month after analysis.

^{**} The price is subscription plan (annually)