

**MINUTES OF THE 7<sup>th</sup> MEETING OF IBMS TECHNICAL COMMITTEE HELD ON  
09/02/2015**

The 7<sup>th</sup> meeting of IBMS Technical Committee was held on 09/02/2015 at 10:00 AM in the IBMS, Khyber Medical University, Peshawar. The following attended the meeting:

- |                                              |                   |
|----------------------------------------------|-------------------|
| 1. Dr.Jawad Ahmed, Director IBMS             | (Chairman)        |
| 2. Dr.Niaz Ali, Associate Professor IBMS     | (Secretary)       |
| 3. Mr.Waseem Hassan, Procurement officer KMU | (Co-opted member) |

The following agenda item was discussed and recommendations made as under:

**Agenda Item No.1: Specification for Reagents/Primers/Kits of Project “Optimization of antiepileptic drugs by establishing association of Carbamazepine and valproic acid therapy with most frequent polymorphism of MTHFR in Pakistani population”**

The Project Technical/Inspection Committee members approved specification for reagents/primers/kits of project “Optimization of antiepileptic drugs by establishing association of Carbamazepine and valproic acid therapy with most frequent polymorphism of MTHFR in Pakistani population” as per given details.

**1-Scholar-1**

S. No	Reagents/Primers/Kits	Quantity*
1	Axis®Homocysteine EIA kit	2
2	DNA extraction kit	2
3	ID-Vit® Vitamin B6 kit	2
4	<b>a- <u>MTHFRC677T Primers</u></b> 1- <b>MTHFR677C</b> : C-allele specific AGCACTTGAAGGAGAAGGTGTCTGCGGGAAC* 2- <b>MTHFR677T</b> : T-allele specific AGCACTTGAAGGAGAAGGTGTCTGCGGGAAT* 3- <b>MTHFR677R</b> : Common reverse GCGGAAGAATGTGTCAGCC	1
5	<b>b- <u>MTHFRA1298C Primers</u></b> 1- <b>MTHFR1298A</b> : A-allele specific GAGGAGCTGACCAGTGAAAA 2- <b>MTHFR1298C</b> : C-allele specific GGAGCTGACCAGTGAAAC 3- <b>MTHFR1298R</b> : Common reverse CTTTGTGACCATTCCGGTTT	1
6	<b>GABRG2 Primers</b> <b><u>1-C315T in exon 3</u></b> <b>GABRG315F</b> : CAAATGTGGTGAATTAGTAACTGG <b>GABRG315R</b> : TCACATTTTCTCTCAAACATGC	1

7	<b><u>2-C588T in exon 5</u></b> <b>GABRG588F:</b> CCATCTTATGTTTAATATCTTTCT <b>GABRG588R:</b> GTATCCTCCCTCACCTACAGT	1
8	TasI	2
9	Taq polymerase	2
10	Potassium dihydrogen ortho phosphate	1 Bottle
11	Orthophosphoric acid	1 Bottle
12	Ammonium hydroxide	1 Bottle
13	Potassium dihydrogen Phosphate (KH <sub>2</sub> PO <sub>4</sub> )	1 Bottle
14	Phosphoric acid	2.5 liter/available pack
15	Disodium Hydrogen Phosphate (Na <sub>2</sub> HPO <sub>4</sub> )	500g
16	Ammonium hydroxide solution	2.5 lit
17	Disodium hydrogen orthophosphate	500g
18	4-bromophenacyl bromide	10-20/as per availability
19	dicyclohexane 18-crown-6	500g
20	nonanoic acid	500g

## 2-Scholar -2

S.No	Items	Quantity*
1	F=CACTGGCTGAAAGAGCTAACAGAG R=GTGATATGGAGTAGGGTCACCCAC	1
2	F=AGGAAGAGATTGAACGTGTGA R=GGCAGGCTGGTGGGGGAAGGCCAA	1
3	Sau96I	1
4	StyI	1

## 3- Scholar 3

S.No	Items	Quantity*
1	5'-TGCACAAAGGAGTAGCTTATG-3' 5'-AGTCAAGATCTTTCCCAATTTTCAG-3'	1 (SCN1A)
2	F5'-GATCGATAAGTTCGGTTTCACC-3' R5'-ATCCTTAGTCTTGAAGTGAGG-3'	1(EPHX1)
3	F-AATCACCTTTTATTCTAATGGTC R-CAGTGAAGGCAACTTACTAAGA	SCN2A
4	PvuII	1(SCN1A)

5	ScrF1	SCN2A
6	EcoRV	1(EPHX1)

**Reagents:**

S.No	Reagents	Quantity*
1	NaCl	1 kg
2	KCl	1 kg
3	MgCl	1 kg
4	NaHCO <sub>3</sub>	1 kg
5	CaCl <sub>2</sub>	1 kg
6	NaHPO <sub>4</sub>	1 kg
7	Glucose	1 kg
8	Potassium Phosphate	1 kg
9	<i>n</i> -Hexane	30 liters
10	Ethanol	20 liters
11	Methanol	4 liters
12	DMSO	2.5 liters

**Reagents Required from Main Lab:**

S.No	Reagents	Quantity*
1	Taq Polymerase	3 Vials
2	dNTPs	5 Vials
3	Magnesium	5 Vials
4	PCR Buffer	5 Vials
5	Dye	5 Vials
6	50 pb and 100 pb Ladder	5 Vials
7	Ethidium Bromide	2 gram
8	Agarose	500gm
9	Potassium dihydrogen ortho phosphate	500g
10	Orthophosphoric acid	500g
11	Ammonium hydroxide	1 bottle
12	Glacial acetic acid	2.5 liters

\*Items quantity may be purchased as per availability and increased or decreased as per requirements of project.

The meeting ended with vote of thanks.