# Section 1 – F.A.O Referring Clinical Team

* **This form is ONLY for patients who have been referred to the National aHUS Service.**
* **Please do not send samples until the patient has been discussed with the aHUS on call Consultant via the Newcastle upon Tyne Hospital switchboard on 0191 233 6161.**
* **These samples are time sensitive in terms of processing – prior to sampling please inform your lab team to expect these bloods.**
* **Please take these samples to your lab within 15 minutes of sampling for processing by your lab team.**

# Sample Collection:

|  |  |  |  |
| --- | --- | --- | --- |
| Date |  | Time |  |

# Patient information:

|  |  |  |  |
| --- | --- | --- | --- |
| Surname |  | Forename |  |
| Sex |  | Date of birth (dd/mm/yy) |  |
| Hospital |  |
| NHS number |  | Ethnic group |  |

**Referring clinician:**

|  |  |
| --- | --- |
| Name |  |
| Hospital |  |  Postcode |  |
| E-mail address |  |
| Telephone number |  |

**Samples requested by NRCTC:**

|  |  |
| --- | --- |
| **New Referral Samples** | * 1 x 2ml EDTA for EDTA plasma
* 2 x 5ml SST for Serum
* 2 x 2ml EDTA
 |
| **ADAMTS 13 activity** | * 2 x 1.3ml sodium citrate for citrated plasma
 |

**Checklist for items to be sent to your lab (please tick):**

* New referral samples as per above
* ADAMTS13 sample as per above
* This complete blood form (pages 1-3)

# Section 2 – F.A.O Referring Lab Team

* **For support with samples between 9am and 5pm please call Newcastle RVI Protein labs on 0191 2824766**
* **For support with samples OOH** **contact Newcastle upon Tyne Hospital switchboard on 0191 233 6161 and ask for aHUS on-call Consultant**

**Referring lab contact details:**

|  |  |
| --- | --- |
| Contact name |  |
| E-mail address |  |
| Telephone number |  |

**Instructions for preparation of samples**

* **To maintain the viability of the samples all samples must be processed and frozen within 4 hours of blood draw.**
* **Patient identifiers on blood bottles must match blood form**
* **Please send the primary blood tubes along with the samples**

# Preparation of citrated blood for ADAMTS13 activity

* Centrifuge citrate sample at 2,000g for 15 min in a refrigerated centrifuge.
* Pipette plasma (avoiding buffy coat) into fresh tube for repeat centrifugation at 2,000g for 15 min.
* Pipette plasma into ~2x0.5ml aliquots in screw top 0.5ml tube compatible with -80OC storage.
* Label aliquots ‘CITRATED PLASMA’ with forename, surname, D.O.B and NHS number.
* Freeze sample (preferably at -80⁰C) prior to shipping on dry ice.

# Preparation of 2ml EDTA blood for EDTA plasma

* Centrifuge EDTA blood sample at 2,000g for 15 min in a refrigerated centrifuge.
* Pipette plasma (avoiding buffy coat) into ~2x0.5ml aliquots in 0.5ml screw top tube compatible with -80OC storage.
* Label all aliquots ‘EDTA PLASMA’ with forename, surname, D.O.B and NHS number.
* Freeze sample (preferably at -800C) prior to shipping on dry ice.

# Preparation of 2x5ml Serum

* Allow the blood to clot by leaving undisturbed at room temperature for 30 minutes.
* Centrifuge at 2,000 x g for 15 minutes in a refrigerated centrifuge.
* Pipette serum into ~6x 0.5ml aliquots in 0.5ml screw top tubes compatible with -80OC storage.
* Label all aliquots ‘SERUM’ with forename, surname, D.O.B and NHS number.
* Freeze sample (preferably at -80⁰C) prior to shipping on dry ice.

# 1 x 2ml EDTA for CD46 Flow Cytometry analysis

* Label with forename, surname, D.O.B and NHS number.
* Store and ship at ambient temperature - **DO NOT FREEZE**

# 1 x 2ml EDTA for DNA analysis

* Label with forename, surname, D.O.B and NHS number.
* Store and ship at ambient temperature – **DO NOT FREEZE**

**Instructions for arranging courier collection on next page**

# Section 3 – F.A.O Referring Lab Team

* **Please note that regardless of collection day / time samples MUST be processed and frozen within the 4hrs as instructed on the ‘preparation of samples’.**
* **Please only submit a courier request when samples have been processed and are ready for collection.**
* **Include this complete blood form with the samples**

**Instructions for courier collection**

1. Please send an email to the following recipients:
	* ghnt.info.transport@nhs.net and atypical.hus@nhs.net
2. The email should state
* Patient Name: *Please add*
* Account name: NRCTC – aHUS
* Account number : 1NEaHUS
* Bio 15 with dry ice required (the couriers will bring this with them)
* Contact name, telephone number and full address of the lab the couriers will be collecting from
1. To arrange collection please call the aHUS courier service on:
	* 0191 445 8861 (during 9-5)
	* 07973 973 267 (out of hrs)

**Both steps (email and telephone call) are needed for the collection to be arranged.**

1. The courier service will liaise with the aHUS team and call you back with confirmation of collection day / time

**Timescales for collection of samples**

aHUS new referral samples which include a ADAMTS13 will require an urgent collection and therefore courier will be instructed to pick up from referring lab ASAP.

Samples will be collected 24- hours a day so an out- of- hour’s collection will need to be facilitated depending on the time samples are ready for collection.